



Command and Control Unified Battlespace Environment (CUBE)

Concept of Operations (CONOPS)

Col Richard F. Picanso

ESC Strategic Goals



Achieve acquisition cycle time of 18 months or less

Pioneer evolutionary spiral development process using COTS/GOTS as the foundation

Pioneer rapid acquisition processes as basis of acquisition reform

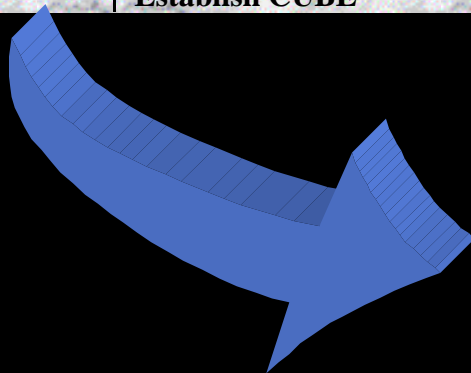
Integrate ESC

Integrate AF C² systems using GCCS/GCSS DII/COE

Reduce the cost of C² system acquisition

Advance the state of the art by developing seamless military unique capabilities in the critical C² technologies of Global Awareness, Global Grid, DAPE, and Modeling, Simulation and Training

Establish CUBE

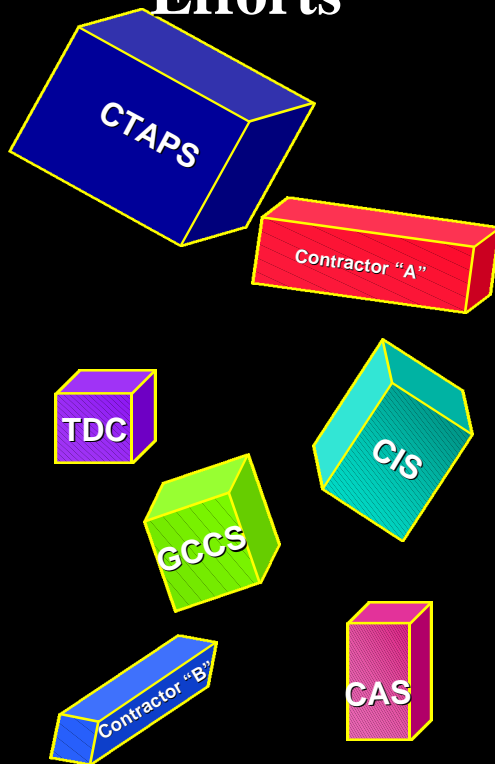


- ◆ Pioneer an Evolutionary Spiral Development Process
- ◆ Become the Development Entry Point for Air Force Battlelabs and ASC2A
- ◆ Establish and Maintain an Entrepreneurial Distributed CUBE Network

ESC Development Vision

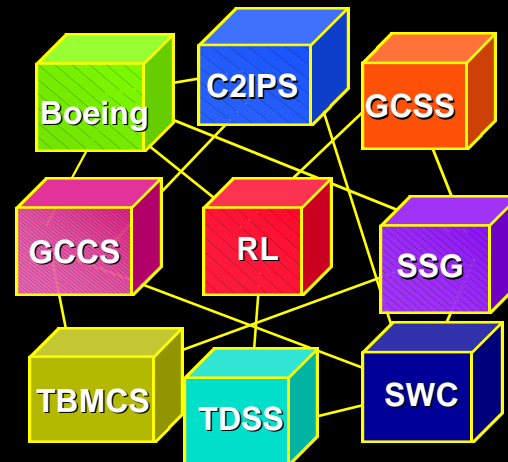


Yesterday's Efforts



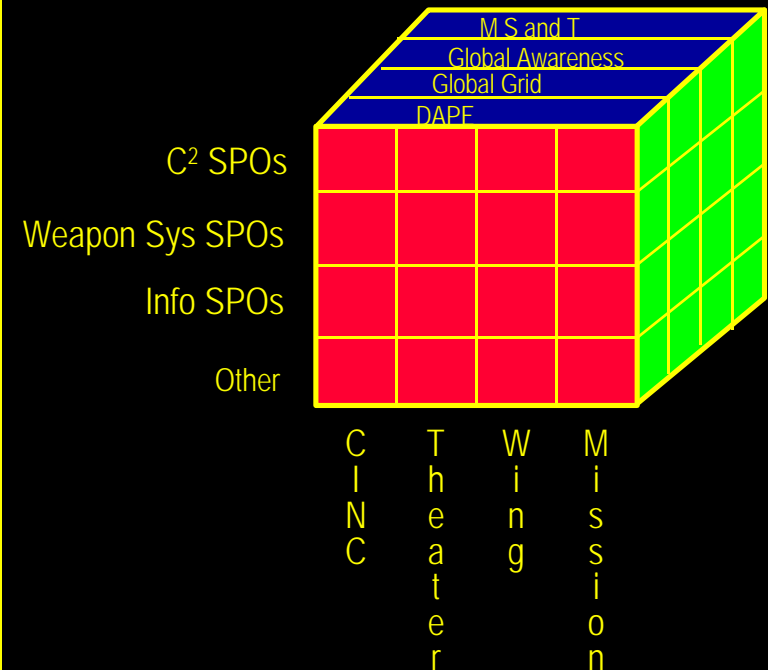
**Independent
"Stovepipe" C²
Systems
Development**

Today's Attempts



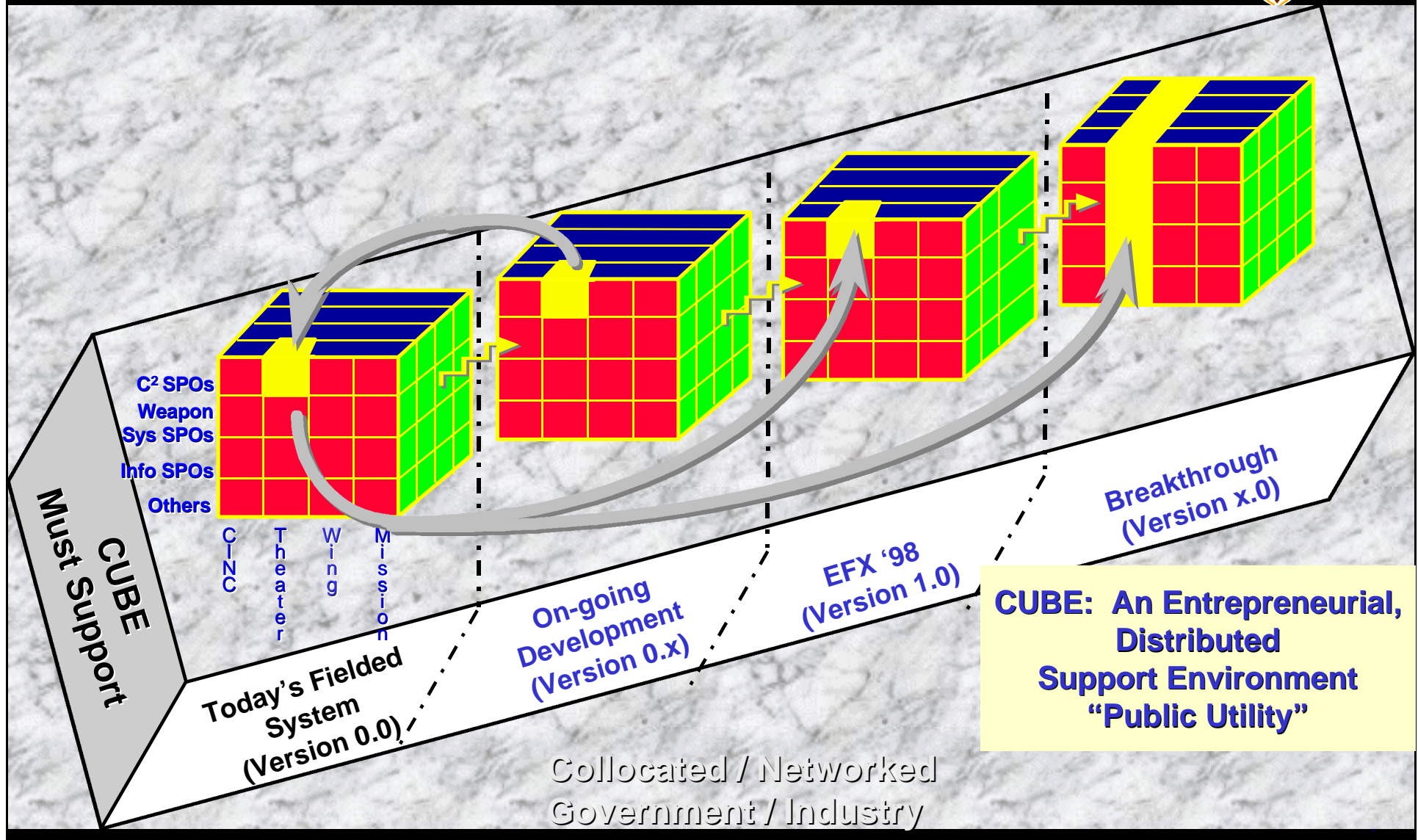
**Federated C²
Systems Development via
Technical Interoperability
Network (TIN)**

Tomorrow's End-State



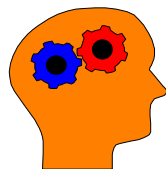
**Distributed
Development
Environment**

CUBE C2 Weapon System Support Vision

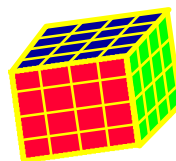




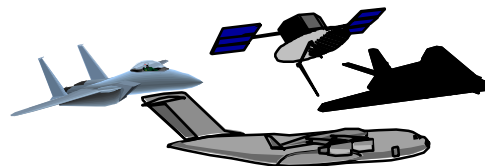
Memorandum of Agreement



C2BMB



CUBE



505 CCEG

◆ Roles and Missions

- Increase collaboration and cooperation
- Synergy in technology development and testing
- Continuous Warfighter/Developer partnership throughout Spiral Development
- Defined roles and responsibilities



Distributed Collaborative and Cooperative Environment



C2BMB

CUBE

505 CCEG

**Innovative
Technology
and
Processes**

**Technology Insertion,
Demonstrations,
DT&E Support**

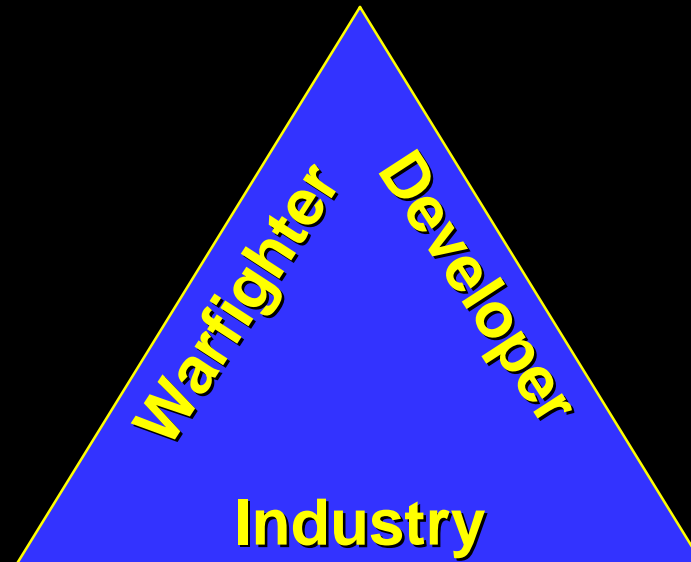
**AOC
Baseline,
Configuration
Management,
Fielding**

**Technology Assessments,
Operational Assessments,
OT&E**

CUBE Mission



Define, establish and operate the C² weapon system distributed support environment. Provide integration and interoperability support to spiral development, test, exercises, demonstrations, experiments, and current operations. Provide an entrepreneurial, innovative concept development and prototyping capability.



CUBE (ESC/CU)



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